**Experiment No.:-02**

package javaAssignments;

import java.util.Scanner;

class Calculatorclass { // Calculatorclass

private double first\_no;

private double second\_no;

public void getFirstNo(){

System.out.println("Enter the first number");

Scanner in=new Scanner(System.in);

first\_no=in.nextDouble();

}

public void getSecondNo(){

System.out.println("Enter the second number");

Scanner in=new Scanner(System.in);

second\_no=in.nextDouble();

}

public double addition(){

return(first\_no+second\_no);

}

public  double subtract(){

return(first\_no-second\_no);

}

public  double multiply(){

return(first\_no\*second\_no);

}

public  double division(){

return(first\_no/second\_no);

}

public int factorial(int n){

int fact=1;

for(int i=1;i<=n;i++)

fact=fact\*i;

return fact;

}

}

public class Main{

public static void main(String[] args) {

Calculatorclass  obj=new Calculatorclass ();

obj.getFirstNo();

obj.getSecondNo();

Scanner in=new Scanner(System.in);

int choice;

do{

System.out.println(" 1.Addition\n 2.Substaction\n 3.Multiplication\n 4.Division\n 5.Factorial");

System.out.println("Enter the choice");

int ch=in.nextInt();

switch(ch){

case 1: System.out.println("Result is :" + obj.addition());

break;

case 2: System.out.println("Result is :" + obj.substract());

break;

case 3: System.out.println("Result is :" + obj.multiply());

break;

case 4: System.out.println("Result is :" + obj.division());

break;

case 5:

System.out.println("Result is :" + obj.factorial());

break;

default:

}

System.out.println("Do U want to continue 1 or 0?");

choice=in.nextInt();

}while(choice==1);

}

}



